

Rakes for flow probes



Our rakes can be outfitted with 4 different measurement types:

- Multi-hole heads
- Static pressure taps or rings
- Total pressure Kiel heads
- Total temperature Kiel heads

Details

All of our measurement heads (multi-hole probe, total or static pressure, temperature) can be combined in rakes, leading to a higher spatial resolution. Due to the integration of multi-hole heads into the rake, very high measurement accuracy is also available in these products and because of the additive manufacturing process, it is possible to install Vectoflow probes in applications requiring specialized and custom designs. As always, the rakes are very robust due to their one-piece design.

Specifications

Number of measurement heads	TBD by customer
Number of holes in measurement head	1, 3, 5, or 7
Size	250 mm (10 in.) standard, other lengths possible
Tip diameter min.	1.2 mm (standard 3 mm)
Geometry measurement head	Conical, spherical, TBD by customer
Material	Stainless steel, titanium, inconel, high-temperature stainless steel
Fixture	TBD by customer
Connections	TBD by customer
Reference	TBD by customer
Temperature range	up to 1000°C (1800 °F)
Angle measurement range	± 70° (depending on number of holes)
Angle measurement accuracy	less than ± 1°
Velocity measurement range	3 m/s up (10 ft/s) to Mach 2
Velocity measurement accuracy	less than ± 1 m/s (3 ft/s)
Resolvable frequency max	Up to 50 Hz (depending on probe geometry, frequency calibration possible)

Contact:



Bât. Les Lauriers - L'Orée des Mas
Avenue du Golf

34670 Baillargues - France

Téléphone : +33(0)9 52 08 08 09

contact@evomesure.com

www.EvoMeasure.com